

Docket No.: 50341-046

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of	:	Customer Number: 20277
	:	
Maxine MCCALL, et al.	:	Confirmation Number: Not yet
assigned	:	
	:	
Application No.: Not yet assigned	:	Group Art Unit: Not yet assigned
	:	
Filed: February 28, 2005	:	Examiner: Not yet assigned
	:	

For: METHODS FOR THE CHEMICAL AND PHYSICAL MODIFICATION OF NANOTUBES, METHODS FOR LINKING THE NANOTUBES, METHODS FOR THE DIRECTED POSITIONING OF NANOTUBES, AND USES THEREOF

**INFORMATION DISCLOSURE STATEMENT**

Honorable Commissioner for Patents and Trademarks  
Washington, D. C. 20231

Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached form PTO-1449. It is respectfully requested that the references be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed with the application and no certification or fee is required.

Copies of the International Search Report and the International Preliminary Examination Report are attached for the Examiner's information. Please note this is a PCT application in the entry of the National Phase in the U.S. and copies of the references cited were transmitted by WIPO and are believed to be in the file of the above identified

Not yet assigned

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DT01 Rec'd PCT/PT 28 FEB 2005

application and readily available to the Examiner. Therefore it is believed that Applicants

have met all requirements regarding duty of disclosure under 37 CFR 1.56.

Acknowledgement and consideration of these documents are respectfully requested.

Respectfully submitted,

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**Date: February 28, 2005**

Please recognize our Customer No. 20277  
as our correspondence address.

<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  (PTO-1449)				ATTY. DOCKET NO. <b>50341-046</b>		SERIAL NO. <b>Not yet assigned</b> <div style="font-size: 1.5em; font-weight: bold;">10/526050</div>	
				APPLICANT <b>Maxine MCCALL, et al.</b>			
				FILING DATE <b>February 28, 2005</b>		GROUP <b>Not yet assigned</b>	

  

U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
		US 2002/0172963 A1	11-21-2002	Kelley et al			
		US 6,555,362 B2	4-29-2003	Hidaka et al			
		US 6,362,011 B1	3-26-2002	Massey et al			
		US					
		US					

  

FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Code <sup>3</sup> -Number & Kind Codes (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation Yes No	
		WO 97/32571 A1	9-12-1997	HYPERION CATALYSIS INTERNATIONAL INC			X
		WO 02/095099 A1	11-28-2002	STANFORD UNIVERSITY			X
							X
							X
							X
							X

  

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)			
EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
		CHEN et al., "Noncovalent Sidewall Functionalization of Single-Walled Carbon Nanotubes for Protein Immobilization", J. Am. Chem Soc. 2001, 123, pp 3838-3839	
		TSANG et al., Immobilization of Platinated and Iodinated Oligonucleotides on Carbon Nanotubes, Angew. Chem. Int. Ed. Engl. 1997, 36 No. 20, pp 2198-2200	
		WILLIAMS et al., "Carbon Nanotubes with DNA Recognition", Nature, 2002, vol. 420, pp 761	
		SERVICE, "Biology Offers Nanotech's a Helping Hand", Science 2002, vol. 298, pp. 2322-2323	
		HAZANI et al., "Confocal Fluorescence Imaging of DNA-Functionalized Carbon Nanotubes", Nano Letters 2003, vol. 3, no. 2, pp. 153-155	
		BAKER et al., "Covalently Bonded Adducts of Deoxyribonucleic Acid (DNA) Oligonucleotides with Single-Wall Carbon Nanotubes: Synthesis and Hybridization", Nano Letters 2002, vol. 2, no. 12, pp 1413-1417	
		STEVENS et al., "Sidewall Amino-Functionalization of Single-Walled Carbon Nanotubes through Fluorination and Subsequent Reaction with Terminal Diamines: Nano Letters 2003, vol. 3, no. 3, pp. 331-336	
		CAI et al., "Carbon Nanotube-Enhanced Electrochemical DNA Biosensor for DNA Hybridization Detection", Anal Bioanal Chem 2003, vol. 375 pp. 287-293	
		WILLIAMS et al., "Towards DNA-Mediated Self Assembly of Carbon Nanotube Molecular Devices", AIP Conference Proceedings (2002) 633 (Structural and Electronic Properties of Molecular Nanostructures), pp. 444-448	
		LIU et al., "Fullerene Pipes", Science 1998, col. 280, pp. 1253-1256	
		HARNON et al., "Dissolution of Single-Walled Carbon Nanotubes", Adv. Mater. 1999, 11 no. 10, pp. 834-840	

  

EXAMINER	DATE CONSIDERED
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered.

Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.